MANAGEMENT COMPUTER SYSTEMS

Management Computer Systems

MCS 220 CONCEPTS OF PROGRAMMING ... This course teaches students professional software development using object-oriented program design and the Java programming language. Coverage includes correct business programming style and documentation, program debugging and testing, database and file processing, event-handling, and graphical user interfaces. Utreq: COMPSCI 220 and COMPSCI 222
PREREQ: COMPSCI 172 OR COMPSCI 174 AND A COMBINED CUMULATIVE GPA OF 2.50
#4142 Section 01 [units: 3]
01/21-05/20 MWF 09:55 AM - 10:45 AM HH3202 Hien M Nguyen

MCS 314 ADVANCED DATABASE DESIGN AND ADMINISTRATION ... This course covers advanced topics in database analysis, design, access, integrity control, and implementation as well as a variety of emerging topics. The course is intended for students who already have a good understanding of database systems and relational database concepts.
PREREQ: ITSCM 280, ADMISSION TO THE COLLEGE AND 2.50 FOR BUSINESS MAJORS OR 60 CREDITS AND 2.00 FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION
#4143 Section 01 [units: 3]
01/21-05/20 TR 12:30 PM - 01:45 PM HH2306 Robert L Leitheiser

MCS 325 WEB DEVELOPMENT ... This course will give students familiarity with client/server computing in two/three-tiered Internet environment. This includes the development of dynamic web pages to exchange data with relational database management systems using scripting technologies. Students will use an event-driven, object-oriented programming language to construct ActiveX components that connect with database servers. The course will also explore basic networking concepts.
PREREQ: ITSCM 285 AND COMPSCI 172 OR COMPSCI 174. ADMISSION TO UPPER DIVISION & A 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.0 GPA FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION.
#4144 Section 01 [units: 3]
01/21-05/20 TR 09:30 AM - 10:45 AM HH2306 Robert L Leitheiser

MCS 391 MCS COOPERATIVE PROGRAM ... The student is to work as an information systems professional in a business or government organization and report on the experience to the MCS faculty and fellow students.
PREREQ: COMBINED CUMULATIVE GPA 2.50 AND ACHIEVE 60 CREDITS, MAINTAIN A 2.50 GPA OR BETTER AND A BUSINESS MAJOR IN ORDER TO TAKE 300 OR 400 LEVEL BUSINESS COURSES.
#4145 Section 01 [units: 3]
01/21-05/20 Arranged Arranged Paul Ambrose

MCS 425 MOBILE DEVELOPMENT ... This course teaches students how to develop Web applications using Java technologies. The course focuses on design and implementation of distributed applications for the Internet and/or intranets. Topics include object-oriented distributed systems and technologies, database access, security, advanced Java programming, and technical design issues for e-Commerce systems.
PREREQ: ITSCM 285 AND COMPSCI 172 OR COMPSCI 174 AND 2.50 COMBINED CUMULATIVE GPA
#4146 Section 01 [units: 3]
01/21-05/20 TR 11:00 AM - 12:15 PM HH2306 Alana J Platt

MCS 431 SYSTEMS ANALYSIS AND DESIGN 2 ... This course is a study of the principles and activities associated with the physical design and implementation of computer based information systems using object oriented methodologies. It includes object-oriented decomposition, system testing, documentation, system security, conversion and implementation. The student completes the team project started in MCS 331.
PREREQ: ITSCM 314 AND ITSCM 321 AND ADMISSION TO THE COLLEGE AND 2.50 FOR BUSINESS MAJORS OR 60 CREDITS AND 2.00 FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION
#4147 Section 01 [units: 3]
01/21-05/20 TR 03:45 PM - 05:00 PM HH2306 Robert L Leitheiser

MCS 498 INDEPENDENT STUDY ... Study of a selected topic or topics under the direction of a faculty member. Department Consent Required.
PREREQ: APPROVAL OF THE MCS COORDINATOR AND THE FACULTY MEMBER SUPERVISING THE COURSE. COMPLETION OF AT LEAST FOUR MCS CORE COURSES AND A COMBINED CUMULATIVE GPA OF 2.50
#4148 Section 01 [units: 1-3]
01/21-05/20 Arranged Arranged Alana J Platt